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(54) Title: **STIMULATION OF HAIR REGROWTH**

(57) Abstract: Hair loss is treated by administration of Substance P or a bioactive analog thereof. The subject may have loss of hair due to any of a variety of reasons, including chemotherapy, stress, radiation, male pattern baldness, nutritional deficit. The treatment can be conveniently administered by aerosol.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/40259

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 38/00

US CL : 424/70.14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 424/70.14, 514/15

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,830,177 (LI et al.) 03 November 1998 (03.11.1998), entire document, especially col. 4, lines 32-38 (substance P for hair growth and preventing hair loss), col. 7, lines 1-12 (aerosol admin.), col. 1, lines 43-49 (transdermal delivery).	1-15
Y	US 5,945,508 (WITTEN et al.) 31 August 1999 (31.08.1999), entire document (especially reference to substance P analog RPKPQQFFGLM-NH2).	1-15

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

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"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"Z"

document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Continuation of B. FIELDS SEARCHED Item 3:

East (USTPO Internal Patents/Pubs, Search of substance P, analogs such as RPKPQQFFGLM-NH₂, for hair growth and preventing hair loss), NPL-Medline (similar search).